

**Subject:** FREE Arc Flash Awareness Video from NIOSH

To All:

FYI - From Safteng's weekly eNews at [www.safteng.net](http://www.safteng.net) and NIOSH at

Gary

### ***FREE Arc Flash Awareness from NIOSH***

An arc flash is the sudden release of electrical energy through the air when a high-voltage gap exists and there is a breakdown between conductors. An arc flash gives off thermal radiation (heat) and bright, intense light that can cause burns. Temperatures have been recorded as high as 35,000 °F. High-voltage arcs can also produce considerable pressure waves by rapidly heating the air and creating a blast. This pressure burst can hit a worker with great force and send molten metal droplets from melted copper and aluminum electrical components great distances at extremely high velocities. This 26 minute video provides information about arc flashes and three electricians recount their arc-flash accident and their injuries and recovery (VERY HIGH IMPACT!). The target audience includes employees, electrical workers, trainees, subcontractors, vendors, and visitors to the worksite. The downloadable documents include information and discussion topics for electrical workers. [Click Here](http://www.cdc.gov/niosh/mining/products/product152.htm) (<http://www.cdc.gov/niosh/mining/products/product152.htm>) to Download this FREE video.

Additional Materials:

[Arc Flash Awareness Information and Discussion Topics for Electrical Workers](http://www.cdc.gov/niosh/mining/products/pdfs/afa.pdf) (PDF, 683 KB)

(<http://www.cdc.gov/niosh/mining/products/pdfs/afa.pdf>)

[Arc Flash Awareness Video Transcript](http://www.cdc.gov/niosh/mining/products/pdfs/ArcFlashAwarenessScript.pdf) (PDF, 36 KB)

(<http://www.cdc.gov/niosh/mining/products/pdfs/ArcFlashAwarenessScript.pdf>)

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National Environmental, Health, and Safety Conference

for the Graphic Communications Industries

March 10-12, 2008

[www.nehsconference.org](http://www.nehsconference.org)

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